
* INDIANA SINCLAIR-TIMEX USERS GROUP NEWSLETTER *

FEBRUARY 1987

Editor-Frank Davis

NEXT MEETING

The next meeting will be hosted by Jack and Joe Payne and will be in Rushville, IN on March 28th at 1:30 P.M. at the Occupational Development Center, 234 North Main St. This is next door to Radio Shack. For those coming in by Highway #52 East, you turn North at the first stop light (Highway #3 which is also Main Street) and go one half block and the building is on the East Side. We have a couple of other members in Rushville who have been unable to make it to other meetings lately who will find this a real convenient meeting to make it to. See you guys there along with everyone else! And don't forget we have been giving out door prizes at the last two meetings and will be doing so at this meeting. But...to win you must one, not be a club officer, and two, you must be present to win. The last winner was Dick Evans of Fort Wayne, and the time before was Joe Payne. Both were pleased with their door prizes.

Last meeting we took a field trip over to John Oliger's house to take a look at his famous disk drive interface, expansion board, user port cartridges, and eeprom programmer. I was impressed with both the quality and the speed of his disk drive system. While there Dick Evans ordered one, Paul Holmgren picked up an eeprom programmer and I picked up a finished user cartridge board along with a bare board. The bare board is destined to become 16k of memory for my cartridge port to bank switch with. All in all it was a nice trip to end off the meeting and I would like to thank John Oliger for his hospitality.

FREE ADS

FOR SALE: I have a piece of equipment which may be of interest to Timex users, if you would be so kind as to advertise it. It is an Aerco DSDD disc drive in cabinet, with power supply and switching, and a Aerco 128K upgrade with disc controller and full documentation, for the TS2068. It is partially assembled but never used. Aerco claims this will allow the 2068 to run CPM with the addition of their CPM disc. I would sell for best offer or preferably trade for TS 2068 or Spectrum or peripherals. David Ray-615-245-3720, or P.O. Box 4134, Kingsport, TN 37665.

WANTED: A copy of Time Designs Vol 1 Issue 1, also looking for copies of ZX Computing that contain information about the networking of Spectrums and QLs together (rumour is that it is possible and the info was last seen in ZX Computing). Also looking for a copy of the last tape and mag of SYNCHROSETTE which used to be published out of Illinois a couple of years ago for the TS1000. Write Frank Davis at 513 East Main, Peru, IN 46970 or call 317-473-8031.

ZONE SELECTION

by Basil Wentworth

When I talked with you the other day, I didn't realize that there wasn't any JRP or JRN. However, you can make JRC do the job, as shown below.

Essentially, the program successively adds 232 and 10 to the DATA value. If the initial value is > 23, the first addition results in a sum > 255; therefore a carry. If 13 < data < 24, then the second addition gives a carry. If data < 14, then no carry at all. BC is originally loaded with 50, and is incremented twice, once, or zero times, according to how many carries take place.

Of course, you can have other things take place at the destinations of the JR's, if you wish. Hope this helps.

```

1  REM > ??? AND CONTINUE 8 AND ?8??? < >
100 FOR f=10 TO 25
110 POKE 26716, f
120 PRINT f; " is ";
130 GO SUB 10*USR 26715
140 NEXT f (Program)
150 STOP
500 PRINT "greater than 23" : RETURN
510 PRINT "between 13 and 24" : RETURN
520 PRINT "less than 14" : RETURN

```

```

26715 62      LD A,
26716 25      data
26717 1        LD BC,
26718 50       50
26719 0
26720 198     ADD A,
26721 232     232
26722 56      JR C,
26723 6       6 (Addresses)
26724 198     ADD A,
26725 10      10
26726 56      JR C,
26727 1       1
26728 3       INC BC
26729 3       INC BC
26730 201     RET

```

```

10 is less than 14
11 is less than 14
12 is less than 14
13 is less than 14
14 is between 13 and 24
15 is between 13 and 24
16 is between 13 and 24
17 is between 13 and 24
18 is between 13 and 24 (Example)
19 is between 13 and 24
20 is between 13 and 24
21 is between 13 and 24
22 is between 13 and 24
23 is between 13 and 24
24 is greater than 23
25 is greater than 23

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 * 2ND ANNUAL MIDWEST TIMEX-SINCLAIR COMPUTER FEST *

A short list of vendors and user groups who have already registered and advance paid to be at this years Fest:

ZEBRA SYSTEMS	CURRY COMPUTER
KNIGHTED COMPUTERS	CTM MAGAZINE
SYNCWARE NEWS	SHARP'S
TIME DESIGNS	WIDJUP
RMG	VARIETY SALES
ATSU	SMUG
SLUG	ISTUG
CLEVELAND USERS	BRICE ROAD
DAYTON USERS	NEW JERSEY USERS
QUANTUM COMPUTING	SIRIUSWARE
VERN TIDWELL	AERCO

Others who have committed verbally or by mail, but whose check has not arrived at this time are:

CHICAGO USERS	PEECH II
A+ COMPUTER RESPONSE	CURT CASBY
WIDJUP	FOOTE SOFTWARE
CATS USERS	RUSSELL ELECTRONICS
BYTEPOWER	BANTA

LET US REMEMBER THAT THIS IS FAR MORE THAN WE HAD LINED UP AT THIS TIME LAST YEAR! So we still have more time to go in order to fill the halls up with still more vendors and user groups.

Basil Wentworth has been lining up a very nice series of speakers for the seminars and lectures. Anyone with suggestions or who would themselves like to give a talk or demo, let him know at the upcoming meeting, or write.

Ralph McCrum has been lining up a nice set of door prizes to be given away at the Fest, and from what I have heard from some dealers he has a lot more on the way. This ought to really please the crowd!

***** OFFICIAL REGISTRATION *****

Name_____

Address_____

City, State, Zip_____

We'll be there!!! Please reserve admission for the following
 Individual registrations_____
 Family registrations_____
 Payment of \$ _____ enclosed.

Make checks payable to The Midwest Timex-Sinclair Computer Fest.
 Send, together with this Registration Form, to:

The Midwest Timex-Sinclair Computer Fest
 513 East Main Street
 Peru, IN 46970

Individual: \$4.00 Family: \$7.00 After 3-30-87: \$6.00 & \$9.00

Enclosed is a short program + dump that I use to back up programs on the Wafa-Drive. As you and other owners probably have noticed some are "protected". This program when run will show the file directory. After each title in the directory the address after the title (10 spaces even if you don't use them all) has a 128 if it is not protected. After the CAT * the directory is loaded. Run this program to see the addresses and letters of the title. Press any key to STOP scrolling then any to start scroll again. The 11th address after the start of the title can be poked with 128 to unprotect it. Then MOVED to a Wafa in 2nd drive.

```
10 FOR J=24862 TO 25443
20 PRINT J;"="; PEEK J;
30 IF PEEK J > 32 THEN PRINT " "; CHR$(PEEK J)
40 PRINT " "
50 POKE 23692,255: PAUSE 20
60 IF INKEY$ < > " " THEN PAUSE 0
70 NEXT J
```

Line # 10 gives you Directory "A". On line # 60 we have the scroll, any key will start or stop it. Have fun.

NEWS

According to Sinclair User and other sources, Rotronics Wafadrive is out of business. Damco at this time has no more Wafadrives for sale.

NOTE

Following this page are the instructions for the modification of the TS2040 Printer to add an on/off switch and an LED. On the back of that page is an exact layout that shows you where to drill, etc. Thanks to Tim Carver.

Also attached is an appeal for volunteers for the 2nd Midwest Timex-Sinclair Computer Fest from the show's Executive Chairman, Paul Holmgren.

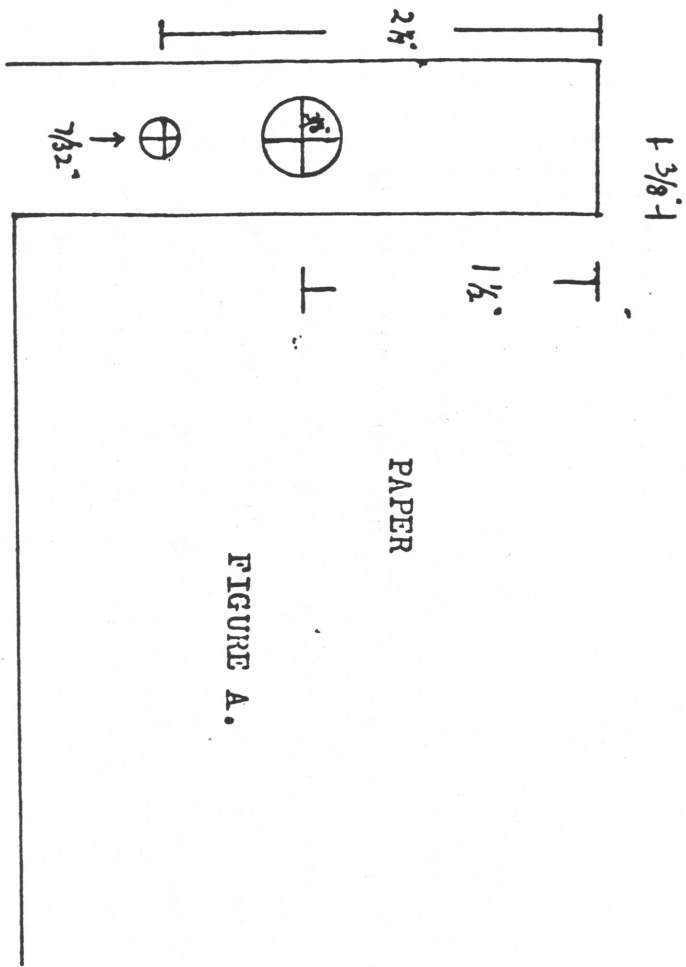
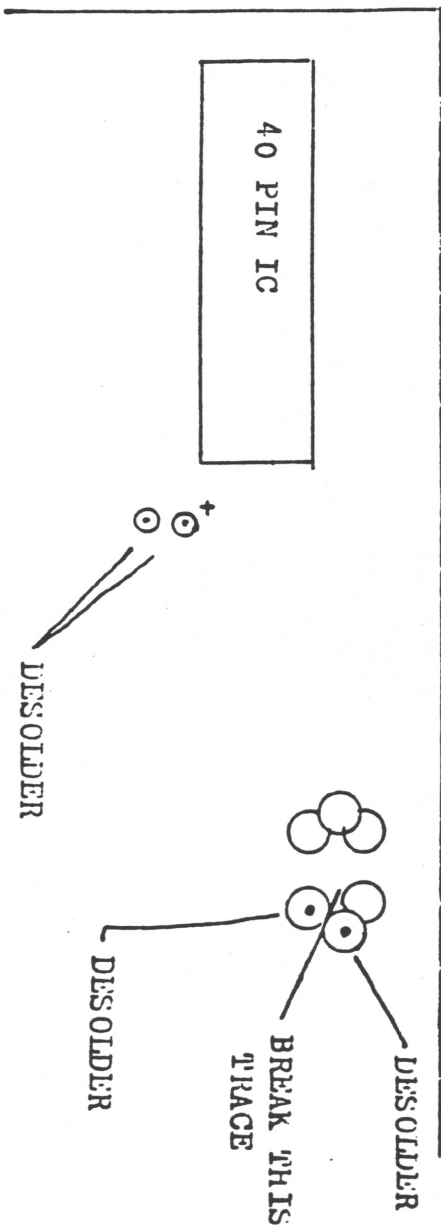


FIGURE A.



Tools Needed:

Drill	Soldering Iron
5/8" Drill Bit	Desoldering tool
7/32" Drill Bit	Glue
Small Cutting Tool	Phelps Screwdriver

Remove the four screws on the bottom of your printer, and any paper that may be in it. Drill the two holes in the top of the printer case as shown in figure A. Mount the red switch in the larger hole, using the nut provided in your kit.

Next mount the small LED in the 7/32" hole. This is done by putting a drop of glue (or Epoxy) around the edges of the hole and pushing the LED into it from the inside of the case.

Next, There are four holes in the printed circuit board that must be cleared out of solder. This is where you use the desoldering tool. Next, a trace on the printed circuit board must be cut (see figure B). Of the holes that you desoldered, locate the one with the plus sign (+) and push the red wire through it from the component side and solder it in place. There is another hole next to the one you just soldered.

Mount the green wire there. In the other two holes, mount the Yellow-White wires. Re-assemble the printer.

Enjoy your new printer switch.

Ts Midwest Computer Fest notes

Paul Holmgren

Hello group members. I hope that all of you have already planned your time for May to allow you to make it to the Fest.

I am hoping that you can make it and that you consider helping us with the fest.

I am looking for folks to help man the fest during the open times. We are asking folks to donate 4-5 hours 1 day. That will allow everyone plenty of time to see everything. We need folks for the registration area, as well as making sure that those who try to get into the fest area have the proper nametag, showing that they are registered.

We have made arrangements to refund registration money for those who end up really working. This plan should give all the workers a break and time for personal needs.

For other user groups.

We are prepared to offer the same deal to your members if they plan on making to the fest. We are working very hard to make this the best Fest possible. As such, we need HELP!!! To be crass We NEED BODIES. This can be a great fest but we need 20 to 30 folks to make it work right. I.S.T.U.G. does not have that many in Indiana. And at this time we do not know how many of our members are going to make it to the Fest.